ELSEVIER

Journal of Volcanology and Geothermal Research 99 (2000) 215

Journal of volcanology and geothermal research

www.elsevier.nl/locate/jvolgeores

Contents Volume 99, 2000

Research Papers

Textural evidence for dilatant (shear thickening) rheology of magma at high crystal concentrations
J.V. Smith 1

Reactivation of basement faults beneath volcanoes: a new model of flank collapse
N. Vidal and O. Merle 9

The major- and trace-element and isotope (Sr, Nd, O) geochemistry of Cenozoic alkaline rift-type volcanic rocks from the Rhön area (central Germany): petrology, mantle source characteristics and implications for asthenosphere–lithosphere interactions
S. Jung and S. Hoernes 27

The Whitsunday Volcanic Province, Central Queensland, Australia: lithological and stratigraphic investigations of a silicic-dominated large igneous province
S.E. Bryan, A. Ewart, C.J. Stephens, J. Parianos and P.J. Downes 55

Facies architecture of a silicic intrusion-dominated volcanic centre at Highway–Reward, Queensland, Australia
M.G. Doyle and J. McPhie 79

The magmatic evolution of the Snæfell volcanic centre; an example of volcanism during incipient rifting in Iceland
V.L. Hards, P.D. Kempton, R.N. Thompson and P.B. Greenwood 97

Temporal geochemical variations in volatile emissions from Mount St. Helens, USA, 1980–1994
L. Shevenell and F. Goff 123

Earthquake-induced variations in the composition of the water in the geothermal reservoir at Vulcano Island, Italy
L. Bolognesi 139

Chemical and isotopical characterisation of fluid manifestations of Ischia Island (Italy)
S. Inguaggiato, G. Pecoraino and F.D'Amore 151

F-phlogopites in the Alban Hills Volcanic District (Central Italy): indications regarding the role of volatiles in magmatic crystallisation
M. Gaeta, G. Fabrizio and G. Cavarretta 179

The Minoan and post-Minoan eruptions, Santorini (Greece), in the light of melt inclusions: chlorine and sulphur behaviour
V. Michaud, R. Clocchiatti and S. Sbrana 195